

SPECIAL BULLETIN-03

Date: 2nd December 2021

Time: 1400 Hrs IST

Sub: Likely formation of a Cyclonic Storm over central Bay of Bengal around 3rd December 2021. – Pre-cyclone watch for north Andhra Pradesh – Odisha coasts

Yesterday's Low Pressure area over central parts of Andaman Sea moved west-northwestwards and became a Well marked Low Pressure Area over southeast Bay of Bengal & adjoining Andaman Sea in the early morning (0530 hrs IST) of today, the 2nd December 2021. It lay over southeast Bay of Bengal at 0830 hrs IST of today. It is likely to move west-northwestwards and concentrate into a Depression over southeast & adjoining east-central Bay of Bengal during next 12 hours. Then it is likely to move northwestwards and intensify into a Cyclonic Storm over central parts of the Bay of Bengal during the subsequent 24 hours. It is likely to reach west-central Bay of Bengal off north Andhra Pradesh – south Odisha coasts around 4th December morning. Thereafter it is likely to move north-northeastwards.

Details Forecast and warning as follows:

Rainfall Forecast:

Light to moderate rain or thundershower very likely to occur at many places over the districts of south coastal Odisha & at a few places over rest districts Odisha on 3rd, light to moderate rain or thundershower very likely to occur at most places over districts of coastal Odisha & at many places over the districts of interior Odisha on 4th and light to moderate rain or thundershower very likely to occur at most places over the districts of north coastal Odisha and at many places over rest districts of Odisha on 5th Dec, 2021.

Warnings:

Heavy Rainfall Warning	Impact & action suggested
Day-2 (Valid from 0830 Hrs IST of 03.12.21 to 0830 Hrs IST of 04.12.21):	
Yellow Warning (Be updated) Heavy to very heavy rainfall very likely to occur at one or two places over the districts of Ganjam , Gajapati with heavy rainfall very likely to occur at one or two places over the districts of Koraput, Rayagada, Puri Jagatsinghpur and Kendrapada	
Day-3 (Valid from 0830 Hrs IST of 04.12.21 to 0830 Hrs IST of 05.12.21):	
Red warning (Take action) Heavy to very heavy rainfall very likely to occur at a few places with isolated extremely heavy falls(more than 20 cm) over the districts of Gajapati, Ganjam, Puri, and Jagatsinghpur	i) Localized flooding /Water logging and inundation in low lying areas. ii) Minor Damage to Kutcha roads and vulnerable structure and wall collapsed of vulnerable kutcha houses iii) Temporary disruption of municipal services, Water logging in underpass road and occasional reduction of visibility causing traffic congestion in urban areas.
Orange warning (Be Prepared) Heavy to very heavy rainfall very likely to at one or two places over the districts of Kendrapada, Cuttack, Khordha, Nayagarh, Kandhamal, Rayagada and Koraput	iv) Damage to horticulture/standing crops in some areas due to inundation. v) Localized Landslides in hilly areas. vi) Avoid staying in vulnerable structure and movement in

<p>Yellow Warning (Be updated) Heavy rainfall very likely to occur at isolated places over the districts of Balasore, Bhadrak, Jajpur and Malkangiri.</p>	<p>affected areas. vii), Complete harvest of matured paddy crop and the harvested paddy should be shifted to safer places. Also harvest the rabi vegetables like cauliflower and cabbage if heads are ready to use.</p>
<p>Day-4(Valid from 0830 Hrs IST of 05.12.21 to 0830 Hrs IST of 06.12.21)</p>	<p>viii) Do arrangement for Drainage of excess water from standings crops in growing stage and vegetable fields.</p>
<p>Orange warning (Be Prepared) Heavy to very heavy rainfall very likely to occur at one or two places over the districts of Mayurbhanj, Balasore, Bhadrak, Kendrapada, Jagatsinghpur, Jajpur, Cuttack, and Puri.</p>	<p>ix) Postpone sowing of rabi crop like Green gram, black gram and Mustard and vegetables like potato, Onion and coriander. x) Provide support to young fruit plants like Papaya and Banana and vegetables like ridge gourd. Cover the vegetable nursery with white polythene.</p>
<p>Yellow Warning (Be updated) Heavy rainfall very likely to occur at isolated places over the districts of Keonjhar, Angul, Dhenkanal, Nayagarh, Khordha, Ganjam and Gajapati</p>	<p>xi) Keep the livestock indoors during rainfall if possible keep them loose inside the shed. Keep feed for 3-5 days, in case of any emergency. xii) It may lead to riverine flooding in some river catchments(Nagavali, Rushikulya, Vanshadhara) (for riverine flooding please visit Web page of CWC)</p>

Wind warning:

(i) Under its influence Squally wind speed reaching 50-60 kmph gusting to 70 kmph over southeast & adjoining east-central Bay of Bengal, from today, the 2nd December evening. Gale winds speed reaching 65-75 kmph gusting to 85 kmph likely to prevail over central Bay of Bengal from the early morning of 3rd December and gradually increase becoming 90-100 kmph gusting to 110 kmph over northwest & adjoining west-central Bay of Bengal from the morning of 4th December for the subsequent 24 hours.

(ii) Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to commence along & off North Andhra Pradesh – Odisha coasts from the mid-night of 3rd December and increase gradually becoming 70-80 kmph gusting to 90 kmph from 4th morning, for the subsequent 12 hours.

(iii) Sea conditions

Sea condition would become very rough to High over southeast & adjoining east-central Bay of Bengal on 2nd December. Sea condition would be High over central Bay of Bengal on 3rd December and High to very High over west-central & northwest Bay of Bengal from the early morning of 4th December for the subsequent 24 hours.

Sea condition will be rough to very rough over along & off North Andhra Pradesh – Odisha coast from the mid-night of 3rd December and become High to very High from 4th Afternoon, for the subsequent 12 hours.

(ii) Fishermen Warning:

Fishermen are advised not to venture into southeast & adjoining east-central Bay of Bengal till 3rd December, west-central & adjoining northwest Bay of Bengal and along & off north Andhra Pradesh - Odisha- West Bengal coasts during 3rd - 5th December 2021.

Fishermen whoever out at Sea are advised to return to coast by today, 2nd Dec, 2021.

(v) Advisory to along & off shore Installations

The off-shore & alongshore operations along Odisha coast (Viz., All ports of Odisha, ITR Chandipur, Army Defence College, Gopalpur, INS Chilika, Chilika Development Authority establishment, ICZMP activity, Bhitarkanika wildlife sanctuary, Kendrapada, ONGC Odisha etc) are advised to be judiciously regulated on 3rd December and to be suspended on 4th December 2021, to ensure safety of life & property.

N.B: SPATIAL RAINFALL DISTRIBUTION: ISOLATED :=< 25%, A FEW: 26-50%, MANY: 51-75%, MOST: 76-100%, RAINFALL AMOUNT (MM): HEAVY RAIN: 64.5 – 115.5, VERY HEAVY RAIN: 115.6 – 204.4, EXTREMELY HEAVY RAIN: 204.5 OR MORE. PROBABILISTIC FORECAST: UNLIKELY =< 25%, LIKELY 26-50%, VERY LIKELY 51-75%, MOST LIKELY > 75%

Dr.H.R. Biswas,
Head & Scientist-E,
Met .Centre Bhubaneswar

To

1. CHIEF SECRETARY , GOVT. OF ODISHA
2. PRINCIPAL SECRETARY, REVENUE & DISASTER MANAGEMENT, GOVT. OF ODISHA.
3. PRINCIPAL SECRETARY, DEPT. OF AGRICULTURE, GOVT. OF ODISHA.
4. PRINCIPAL SECRETARY, DEPARTMENT OF WATER RESOURCES, GOVT, OF ODISHA.

भारतसरकार
पृथ्वीविज्ञानमंत्रालय
भारतमौसमविज्ञानविभाग
मौसमविज्ञानकेंद्र
भुवनेश्वर, ओडिशा-751020

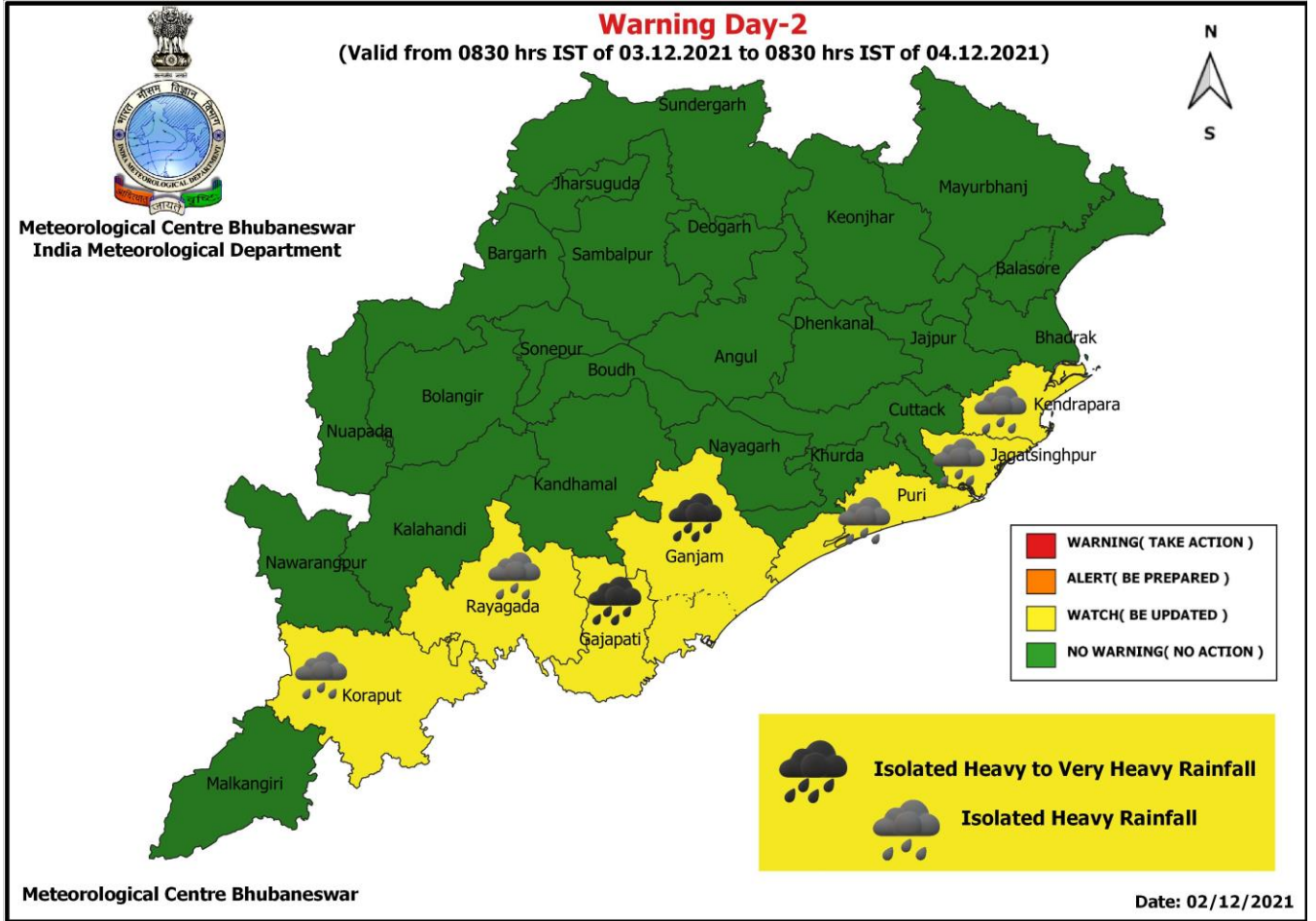


GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
METEOROLOGICAL CENTRE
BHUBANESWAR, ODISHA-751020

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ଭୁବନେଶ୍ୱର, ଓଡ଼ିଶା-୭୫୧୦୨୦

5. SPECIAL RELIEF COMMISSIONER (SRC), GOVT. OF ODISHA BHUBANESWAR.
6. REVENUE SECRETARY, GOVT. OF ODISHA, BHUBANESWAR.
7. M.D., OSDMA, GOVT. OF ODISHA, BHUBANESWAR.
8. RDC, CENTRAL DIVISION/ SOUTHERN DIVISION/ NORTHERN DIVISION.
9. AIR CUTTACK / DOORDARSHAN.

Rainfall Warning Maps for Day-2 to Day-4

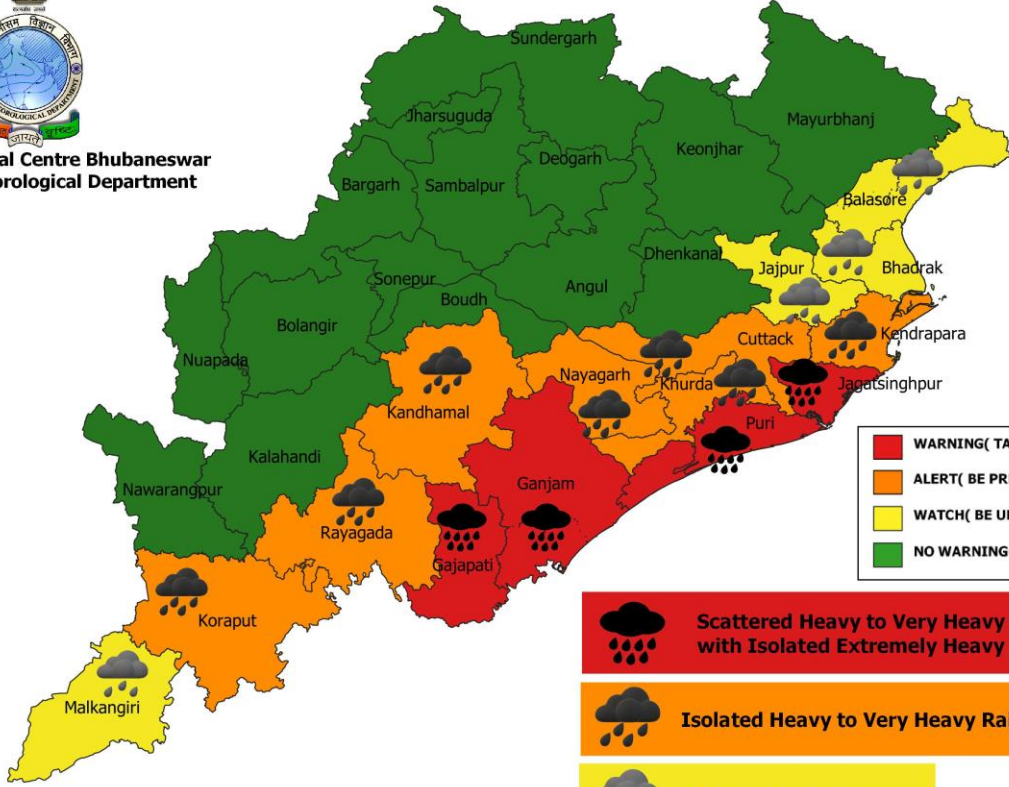




Meteorological Centre Bhubaneswar
India Meteorological Department

Warning Day-3

(Valid from 0830 hrs IST of 04.12.2021 to 0830 hrs IST of 05.12.2021)



- WARNING(TAKE ACTION)
- ALERT(BE PREPARED)
- WATCH(BE UPDATED)
- NO WARNING(NO ACTION)

Scattered Heavy to Very Heavy Rainfall with Isolated Extremely Heavy Rainfall

Isolated Heavy to Very Heavy Rainfall

Isolated Heavy Rainfall

Meteorological Centre Bhubaneswar

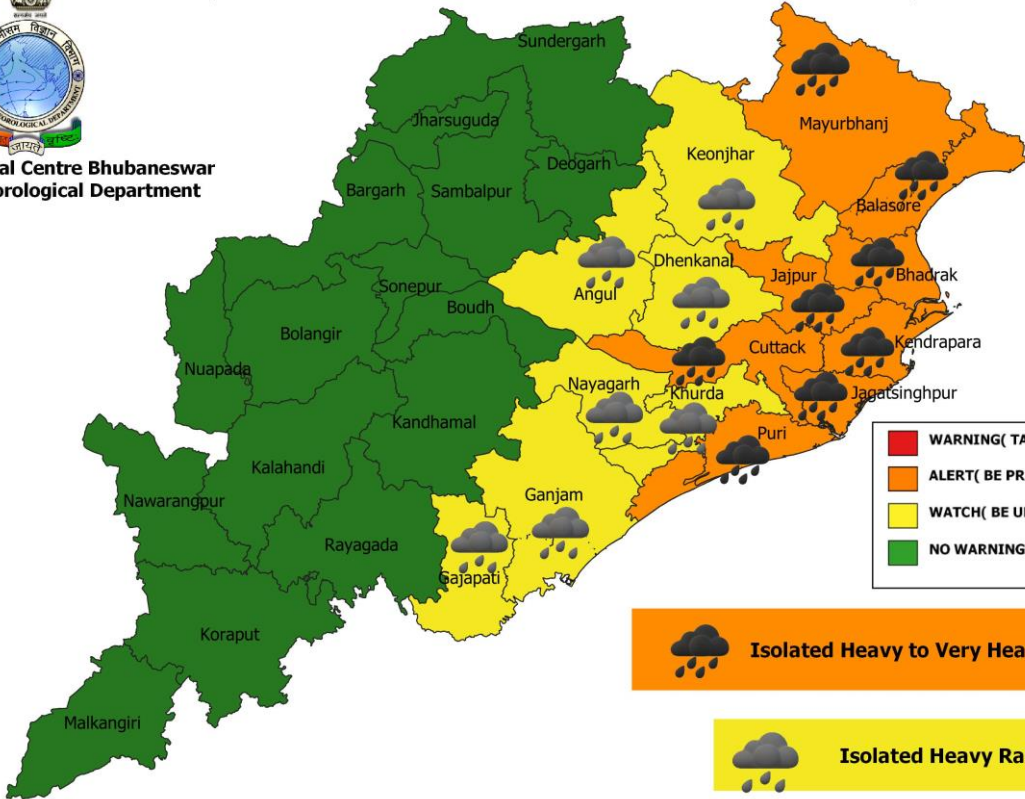
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India Meteorological Department

Warning Day-4

(Valid from 0830 hrs IST of 05.12.2021 to 0830 hrs IST of 06.12.2021)



- WARNING(TAKE ACTION)
- ALERT(BE PREPARED)
- WATCH(BE UPDATED)
- NO WARNING(NO ACTION)

Isolated Heavy to Very Heavy Rainfall

Isolated Heavy Rainfall

Meteorological Centre Bhubaneswar

Date: 02/12/2021

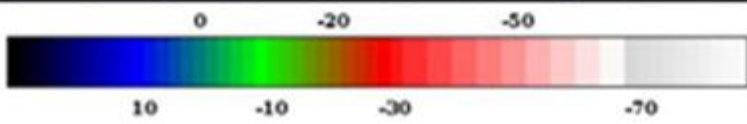
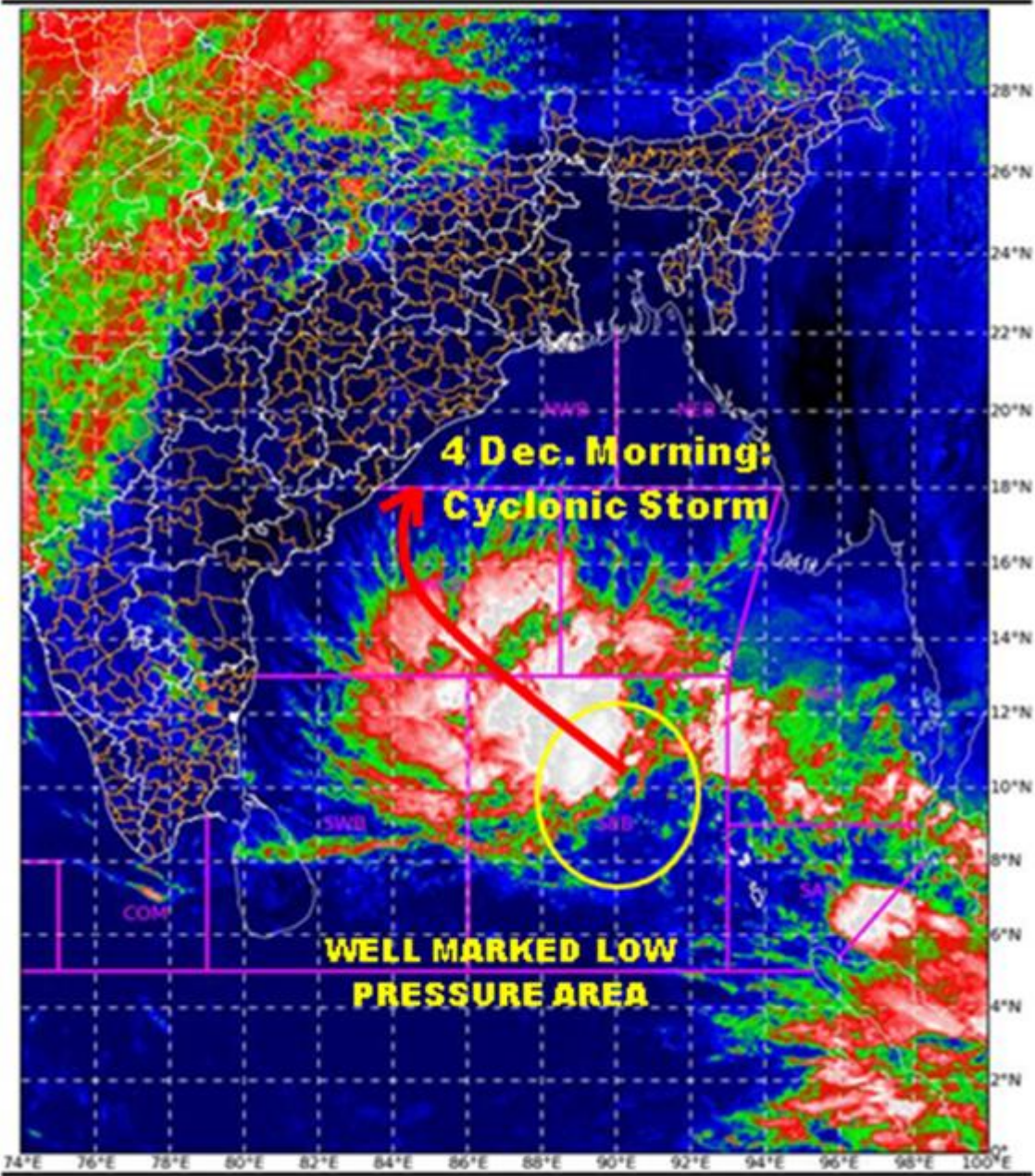
SAT : INSAT-3D IMG

02-12-2021/(0530 to 0557) GMT

IMG_TIR1_TEMP 10.8 um

02-12-2021/(1100 to 1127) IST

L1C Mercator



Celsius
IMD, DELHI